

RP SEQUENCE FROM N.A.
 RA Shiozawa S., Koishi Y., Murayama K., Mukae N., Yamamoto F.,
 RA Hayashi S., Sato M., Shiozawa K., Tsukamoto Y.,
 RT "DR3 genome."
 RL Submitted (Nov-2000) to the EMBL/GenBank/DBJ databases.
 DR EMBL: AB051851; BA040663.1; .
 KW Receptor.
 SQ SEQUENCE 417 AA, 45325 MW, 52263125645619 CP:G4.

alignment_scores:

Quality: 372.00 Length: 463
 Ratio: 1.639 Gaps: 22
 Percent similarity: 49.094 Percent identity: 28.294

alignment_block:

us-09-525-998a-1 x O9HY86

Align seq 1/1 to: O9HY86 from: 1 to: 417

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43 CACCTGACGCTGTGTGTGGGAATATACCCCTGACGGCTTATGCACTGCT 32
||||| ||||| ||||| |||||
15 LeuLeuValLeuLeuGlyAlaArgAlaGlnGly..... 26
93 CACTACCTAGGGAGCAGSAGAGAGAGATAGTGTGTGCTCCCAAGGAA 142
||||| ||||| ||||| |||||
27 .....GlyThrArgSerProArg.....CysAspCysAlaG 37
143 AATATATCCACCTGCAAAATATGATTTGCTGTAACCAAGTGCACAAA 192
||||| ||||| ||||| |||||
37 LysPheHisLysLysLysLysLysLysLysLysLysLysLysLysLys 53
193 GCAATTTATTTGTAAGACATGACAGAGAGAGAGAGAGAGAGAGAGAG 242
||||| ||||| ||||| |||||
54 GlyHisLysLysLysLysLysLysLysLysLysLysLysLysLysLys 70
243 CAGGAGTGTGAGAGGGGTGCTTCAAGCTTCAGAGAAACACCTCAGA. 291
||||| ||||| ||||| |||||
70 GluValCysProGlnAspPheLeuAlaTrpGluHisHisLysAsnS 87
292 ..CAGTCCCTGACATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 339
||||| ||||| ||||| |||||
87 GluLysAlaLysCysGlnAlaCysAspGluGlnAlaSerGlnValAla 103
340 AATCTCTCTTCCACATGACAGAGAGAGAGAGAGAGAGAGAGAGAGAG 389
||||| ||||| ||||| |||||
104 LeuGluAsnSerGlnAlaValAlaAspThrArgCysGlyCysLysProC 120
390 CAGTAAGGCTATTTATGAGTGAAGAACTTTTCATTCATTCATTCAT 429
||||| ||||| ||||| |||||
120 TyrPheValGluCys.....GluValSerGlyCysValSerSers 134
430 .....TTCATTTGACAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 465
||||| ||||| ||||| |||||
134 TrpPheTyrCysLysLysLysLysLysLysLysLysLysLysLysLys 150
466 .....CCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 509
||||| ||||| ||||| |||||
151 ThrArgLeuLeuCysSerArgGlyThrAspCysGlyThrCysLeuTrp 167
510 AGCTTTCTTTCTAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 546
||||| ||||| ||||| |||||
167 OGlyPheTyrCysHisCysLysCysValSerCysProThrSerThrL 194
547 ..AGTAACCTGTAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 594
||||| ||||| ||||| |||||
184 GluLysLysLysLysLysLysLysLysLysLysLysLysLysLysLys 195
595 AATGACAAATCTTAAGGCGACATGAGTCTGAGTCTGAGTCTGAGTCTG 644
||||| ||||| ||||| |||||
196 .....GlyTrpArgGlnMetPheTrpVal 203
645 CATTGATATTTCTTGGTCTTGGTCTTGGTCTTGGTCTTGGTCTTGGTCT 694

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||||| ||||| ||||| |||||
203 LeuValLeuLeuAlaGlyLeuValValTrpLeuLeuLeuLeuValAlaTrp 620
695 IAAAGTATGCTACCAAGCG.....GGAAATCTCAAGCTTAACTCAAT 741
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220 eThrTyrThrTyrArgHisCysTyrProHisLys..... 241
742 LELGGAAATGCAACAGCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 791
||||| ||||| ||||| |||||
232 .....ProLeuValThrAlaAspGluAlaGlyMetGluAlaLeuTrp 246
792 IAAAGCG.....GAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 842
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246 GPTGTCATATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 259
843 GCTTCACCGCTACCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 882
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258 .....AlaHisThrLeuLeuAlaProProAspSerSerGlyHisLeu 272
883 TGG.....AGCTGCACTATACCGCGGTGAG.....GPTGCGCGGTA 944
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289 nGluAlaLeuCysProGlnValThrTrpSerTrpAspGlnLeuProSer 966
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311 ..AlaAlaAlaTrpThrLeuSerPro.....GlySerProAla 322
1035 CCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1084
||||| ||||| ||||| |||||
322 GlysSerProAlaMetLeuLeuGlnProGlyPro.....GluLeuTyrAsp 336
1085 TGGTGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1144
||||| ||||| ||||| |||||
338 aMetAspAlaValProAlaAlaArgTyrLysGluPheValArgThrLe 354
1135 GAGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1184
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355 GlyLeuArgGluAlaGlnLeuAlaValGluValGlnGlnGlyArg... 370
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371 .PheArgAspGlnGlnTyrGlnMetLeuLysArgTyrArgGlnGlnGln 387
1245 CCGGGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1284
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387 R.....AlaGlyLeuGlyAlaValTyrAlaAlaLeuLeuAlaGln 400
1285 GAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1423
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401 GlyLeuAspGlyCysValGluAspLeuArgSerAlaLeu 413
seq_name: sp_human:014865
seq_documentation_block:
15 014865 P81110.NANKY PKI 429 AA.
AC 014865
DI 01-JAN-1998 (TrEMBLrel. 05, Created)
DI 01-JAN-1998 (TrEMBLrel. 05, Last sequence update)
E7 01-JUN-2002 (TrEMBLrel. 17, Last annotation update)
DE DEATH RECEPTOR 3 BETA.
GN DR3.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.
OX NCBI_TaxID=9606.

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11  :::::::::::::::::::: :::: :::: :::: :::: :::: ::::
138 yclstLysCysThrLysPheLysAlaAspValLeuValSerGlyCys 154
586 GIACCQ.....
155 ThrProThrSerAsnThrLysCysArgAlaProSerTyrProThrG1 171
592 .....CAGATTGAGATGTTAAGGGCAGCTAGGAGCTAGGCAGCACCA...G 634
171 uclProThrGluLysProSerAlaSerAsnSerThrGlyThrIlePheV 188
635 TGCTGTTGGCCCTAGCTCATTTTCTTTTCTTTTCTTTTCTTTTCTTTT 700 678
188 alIleValSerIleLeuIleLeuLeuValIleCysThrIleValGlyAla 204
679 CTTCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 723
205 IleLeuPhe.....LeuLysAlaArgGlnArgGlnSerGlnThr 218
724 .....AAGTCTACTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 751
218 rAsnGlyAsnGlnGlnGlnValLysValProIleAspGlyCysProArg 235
752 CGACACTGTGAAAAAGAGGG..... 771
235 erGluGluGluGluGluGlnSerArgAsnAlaGlyLeuGluLysGluGlu 251
772 .....GAGCTGCAAGCAAC..... 785
252 GluHisArgProGluSerArgProLeuLeuThrGlnGluThrGlnGlu 268
786 TACTACTAAG..... 795
268 rGlySerLysSerIleProValLysValLysPheLysPheGlyCysAsp 285
796 .....GAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCT 828
285 erLeuProLysHisAsnGlnLeuPheProLysProSerLeuSerAlaLeu 301
829 CCA .....GAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAG 866
302 ProGlnAsnHisTrpGlyPheThr.....ValAspProAlaPr 314
867 CAGTTCAGCTTCACTCACTCACTCACTCACTCACTCACTCACTCACT 916
314 C.....ArgProArgAspArgPro 921
917 ACTTGGAGGTCCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAG 964
321 hr.....GluIleArgLeuAsnHisGlyHisGlyLys 331
964 CACCCCACTCTGACAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGC 1008
332 Asp.....AspPhe...ProArgLysLe 348
1009 .....CAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCT 1054
338 rLeuProLeuLeuGlyCysGlnGlnGlnSerLys.....SerPhe 353
1055 ACAGTGTAGTACCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAG 1104
353 spLeuPheAspSerLeu..... Asp 359
1105 TTGGCTGAG.....AAGCAATTCCTGAGCTGAGCTGAGCTGAGCTGAG 1151
360 ValArgTrpHisAsnLysPhePheArgSerIleGlyValSerAspAsn 376
1152 GATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1201
376 rIleLysLeuAlaGluThrGlnGlnPro.....MetAspLysVal 390
1202 AAGATAGCTAGCTAGCTAGCTAGCTAGCTAGCTAGCTAGCTAGCTAG 1251

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396 yAspLeuLeuArgValIrpMetLysLysGluGlyLeuArg...AlaAsu 406
1252 CTTGAGCTGCTGCTGAGCAGCTGCTGCTGCTGCTGCTGCTGCTGCT 1287
406 rIleAsnThrLeuLeuGlnAlaLeuLeuAspLeuAsp 417
seq.name: sp_human:014866
seq_documentation_block:
ID 014866 PRELIMINARY: PK1: 277 AA.
AC 014866:
DT 01-JAN-1998 (Trembl, 05, Created)
DT 01-JAN-1998 (Trembl, 05, Last sequence update)
DT 01-JUN-2001 (Trembl, 17, Last annotation update)
DE SOLUBLE DEATH RECEPTOR 3 BELA.
CN 043.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominoidea;
OX NCBI_TaxID:9606;
RN 111
RP SEQUENCE FROM N.A.
RA Warzacha K., Ribeiro P., Renard N., Charlier B., Collier B.,
RA Salles G.
RL Submitted (SEP-1997) to the EMBL/GenBank/DDBJ databases.
CR EMBL; AF026772; BAB92286.1; 1.
DR HSSP; PI9438; INCP.
DR InterPro; IPR000561; EGF-like.
DR Pfam; PF00220; TNFRSF_2.
DR SMART; SM00208; TNFR_2.
DR PROSITE; PS01199; EGF_2; URFEN0WN 1.
DR PROSITE; PS00652; TNFR_NCFR_1; 2.
DR PROSITE; PS00652; TNFR_NCFR_2; 1.
DR PROSITE; PS00652; TNFR_NCFR_2; 1.
SO SEQUENCE 277 AA; 2911 MW; 3019F3E847BDE94 CAC64.

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alignment_scores:
Quality: 219.50 Length: 347
Ratio: 1.546 Gaps: 14
Percent Similarity: 42.136 Percent Identity: 21.629
alignment_block:
US-09-525-998A-1 x 014866
Align seq 121 to 014866 from 1 to 277
43 CTTGAGGTCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAG 92
15 LeuLeuValLeuLeuLeuGlyAlaArgAlaGlnGly..... 26
93 CTTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAG 142
27 .....GlyThrAlaSerTrpAla.....GlyAspGlyAla 47
143 AAATAATATATATATATATATATATATATATATATATATATATAT 152
37 rAspHisHisLysLysLysLysLysLysLysLysLysLysLysLys 53
193 GAGATATATATATATATATATATATATATATATATATATATATAT 242
54 GlyHisThrLeuLysAlaProCysThrGluProCysLysAsnSerThr 70
243 CAGCAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAG 291
70 rLeuValLysProGlnAspThrLeuLeuAlaIleGlnAsnHisLys 87
272 .....GluValGlnValGlnValGlnValGlnValGlnValGln 339
87 erGluCysAlaArgCysGlnAlaLysAspGlnGlnAlaSerGlnVal 104
340 AAGCTCTTCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCT 389

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139 GCAAAATATATCCACCCCTCAAAATAATTCGATTTGCTGTACCAAGTCCCA 188
    ||| |||||
84 GlyHisHis11LeSerGluAspGlyArg..... 92
189 CAAGAGAACCTTATTGTAATATCTTTTAAAGATTTGGGAAAGATATAG 238
    ||| |||||
93 .....A 93
239 ACTGCAGGAGGTGTGAGAGAGG.....TCTTTCACGCTTTCAGAAAACAC 285
    ||||| |||||
93 spcys11LeSerCysLysGlyGlnAspTyrSerThrHis1TrpAsnAsp 109
286 CTCACACACCTGCCCTCAGCTCTCCAAATGCCCAAGCAAAATGGTCAGCT 335
    ||||| |||||
110 LeuLeuPheCysLeuArgCysThrArgCys.....AspSerGlyGluVal 124
336 GCAGATCTCTCTTCACAGCTGACCGGGACACAGCTGTGTGGCTGAGGA 385
    ||||| |||||
124 CLeuLeuSerProCysThrThrArgAsnThrValCysGlnCysGluG 141
386 AGAACCAAGTACGGCATTATTGAGTGAAGACCTTTTCGACGTGCTTCAT 435
    ||||| |||||
141 LuGlyThrPheArgGluGluAspSerProGluMet.....CysArgLys 155
436 TCCAGCCCTC...TCCCTCAAAAGGACCGTG..... 462
156 CysArgThrGlyCysProArgGlyMetValLysValGlyAspCysThrPr 172
463 .....CAACTCTCTGTCAGAGAAATAGAACACAGTGTGACATGTC 505
    ||||| |||||
172 GTrpSerAspGluCysValHisLysGluSerGly.....ThrLysH 187
506 ATGACAGTCTTCTTCTTAAGAGAAAGAGTGTCTCTCTGTAAGTAAGTGT 555
    ||||| |||||
187 LsSerGlyGluAlaProAlaValGluGluThrValThrSerSerProGly 203
556 AACAAACCCCTGACGTGCACCACTTCTGCTACCCACATTCAGCAATGT 605
    ||||| |||||
204 ThrProAlaSerProCys.....SerLeu 211
606 TAAGGACTACTGATGATCAAGAAATCAATGTTGTCCTGCTGCTGCTATTT 655
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211 GSerGlySerLeuGlyValAlaValAlaValValValLeuValValAla 228
656 TCTTGTGCTTTGCTTTTAACTGCTCTCTCTCTCTCTCTCTCTCTCTCT 705
    ||||| |||||
228 ValAlaPheValCys...LysSerLeuLeu..... 236
706 TACCAACGGTGGAGAGTCAAGCTCACTGCAT.....GTTTGT..... 744
    ||||| |||||
237 .....TrpLysValLeuPheCysGlyLeuLysGlyLeuLysGly 250
745 AGGAAATCGACACTGAAAGAGAGGAGGTGTAAGGAACTACTACTA 793
    ||||| |||||
250 GcylGlyCylAspProCysArg.....ValAspArgSerSerGlnA 264
794 AAGCCCTGAGCCCAACCAACCAAGCTTCAGTCCC.....ACT 828
    ||||| |||||
264 ArgProGlyAlaGluAspAsnValLeuAsnGluLeuValSerLeuGln 280
829 CCAGGCTTCACGCCACACCTGGCGCTCAGTCCCGTCCCTGCTCCACCT 878
    ||||| |||||
281 ProThrGlnValProGluGlnGluMetGluValGlnGluProAlaGluPr 297
879 CAGCTCAGCTGACACTATACCGCGAGTACTGTCGCAATTTTGCGGCTC 928
    ||||| |||||
297 GThrGlyValAsnMetLeuSerProGlyGluSerGluHisLeuLeuGluP 314
929 CC.....CAGCAGCAGCTGACACACCTAT 954
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314 ValAlaGluAlaGluArgSerGlnArgArgArgLeuLeuValProAlaAsn 330
955 CAGGGGGCTGACGCCATCTTGGACAGAGCTTGGCTTGGACCCCATCC 1004

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331 Glucly..... 336
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    AspThrThrGl 336
1005 CAATGCTTTTAAATATGATGAAATATGATGATGATGATGATGATGATG 1054
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336 uThrLeuArgGlnCysPheAspPheAla..... 346
1055 ACATGATTCATCCCGGACCGCTGATACCGCTGGTCCAGAAACCTGCGCCG 1104
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347 .....AspLeuValProPhe 351
1105 TTGCGGCTGGAAGCAATTCGTCGCGCGCTAGGGCTGAGCGACACACAGAT 1154
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352 AspSerTrpGluProLeuMetArgLysLeuGlyLeuMetAspAsnGlu 368
1155 CGATCGGCTGATGATGATGATGATGATGATGATGATGATGATGATGATG 1204
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368 G...LysValAlaLysAlaGluAlaAlaGlyHisArgAspThrLeuTyr 384
1205 GCATGCTTGGGACCTGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 1254
    ||||| |||||
384 hrMetLeuLleLysTrpValAsnLysThr..... 393
1255 GACCTGCTGCGGACCGCTGCTGCGCGCGCGCGCGCGCGCGCGCGCGCG 1304
    ||||| |||||
394 .....GlyArgAspAlaSerValHisThrLeuLeuAspAlaLeuGl 407
1305 GATATATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1323
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407 uThrLeuGlyGluArgLeu 413

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